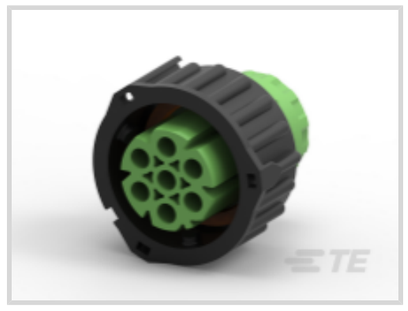
# 3-967650-1 ✔ ACTIVE

TE Internal #: 3-967650-1

12 V / 24 V / 48 V, 7 Position, Automotive Housing for Female Terminals, Wire-to-Wire, Sealable, Green, Wire & Cable, Power

View on TE.com >

Automotive Parts > Automotive Connectors > Automotive Housings > Circular DIN Housings







Nominal Voltage Architecture: **12 V, 24 V, 48 V**

Connector & Housing Type: **Housing for Female Terminals**

Number of Positions: **7**

Sealable: **Yes**

Operating Temperature Range: **-40 – 120 °C [ -40 – 248 °F ]**

All Circular DIN Housings (59)

## Features

### Product Type Features

| | |
|---|---|
| Mixed & Hybrid Connector | No |
| Connector Shape | Circular |
| Connector & Housing Type | Housing for Female Terminals |
| Sealable | Yes |
| Primary Locking Feature | Integrated in Housing |
| Connector System | Wire-to-Wire |
| Connector & Contact Terminates To | Wire & Cable |

### Configuration Features

| | |
|---|---|
| Number of Positions | 7 |

### Electrical Characteristics

| | |
|---|---|
| Operating Voltage | 48 VDC |
| Nominal Voltage Architecture | 12 V, 24 V, 48 V |

### Body Features

| | |
|---|---|
| Cable Exit Angle | 180° |
| Primary Product Color | Green |
| Connector & Keying Code | C |

## Contact Features

| | |
|---|---|
| Contact Size | 1.5mm |
| Contact Type | Socket |
| Mating Pin Diameter | 1.5 mm[.059 in] |

## Mechanical Attachment

| | |
|---|---|
| Strain Relief | Without |
| Terminal Position Assurance | No |
| Mating Alignment Type | Keyed |
| Mating Alignment | With |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

## Housing Features

| | |
|---|---|
| Housing Material | PBT GF30 |

## Dimensions

| | |
|---|---|
| Product Length | 31 mm[1.22 in] |
| Connector Height | 32.8 mm[1.291 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -40 – 120 °C[-40 – 248 °F] |
| Operating Temperature (Max) | 120 °C[248 °F] |

## Operation/Application

| | |
|---|---|
| Circuit Application | Power |

## Industry Standards

| | |
|---|---|
| IP Rating | IP69K |
| UL Flammability Rating | UL 94HB |

## Packaging Features

| | |
|---|---|
| Packaging Method | Box |
| Packaging Quantity | 500 |

## Other

| | |
|---|---|
| Serviceable | No |

| | |
|---|---|
| Connector Position Assurance Capable | No |

## Product Compliance

For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources. |
| Solder Process Capability | Not applicable for solder process capability |

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

## Compatible Parts



TE Part # 185792-1
180 DEG CAP FOR CORRUGTD TUBE



TE Part # CAT-R7602-T273
ROUND CONNECTOR SYSTEM, PIN AND SOCKET



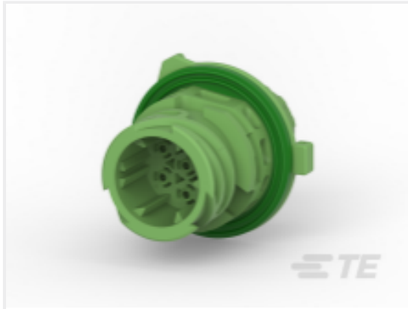
TE Part # CAT-C4962-B128
Circular DIN Backshells



TE Part # 828922-1
2,5MM CAVITY PLUG FOR 5,4MM DI



TE Part # 185636-1
PROTECT CAP 2.5MM PLUG



TE Part # 3-1718230-1
1,5MM PIN HSG 5-7 POS ASSY

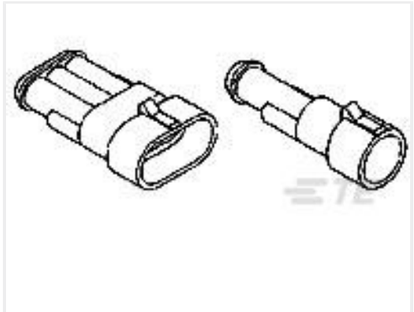


TE Part # 828904-1
SINGLE WIRE SEAL FOR J.P.T.CON

## Customers Also Bought



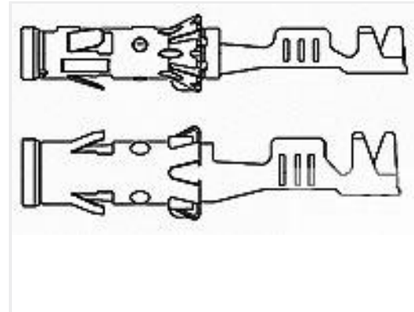
TE Part #DT04-2P-C017
REC, 2P, GRY, BLOCKED



TE Part #282106-1
AMP SUPERSEAL 1.5 SERIES 4P CA



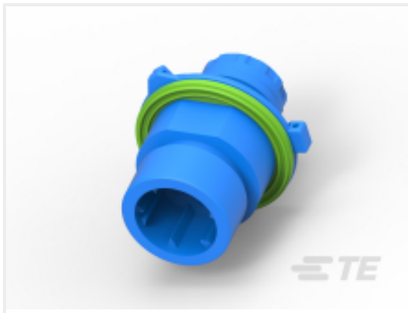
TE Part #735222-2
FF 250 REC 1.0-2.5 MM2 0.32X 19.30 BR



TE Part #929990-1
1,5MM SOCK CONTACT



TE Part #965785-1
ABDECKKAPPE 180GRD



TE Part #CAT-C4962-CH8172
Circular DIN Housings



TE Part #1-968851-1
AMP MCP 2.8, CONTACT



TE Part #8-968974-1
MCP2.8 GEH 18P



TE Part #4-1670730-1
3POS,TAB 1.5X0.63,TAB HSG,ASSY

## Documents

### Product Drawings

1.5MM SOCKET CONNECTOR 7POS

English

### CAD Files

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_3-967650-1_G_c-3-967650-1-g.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_3-967650-1_G_c-3-967650-1-g.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_3-967650-1_G_c-3-967650-1-g.3d_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

## Product Specifications

### Application Specification

English